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Bouwkundig Tijdschrift. Vol. xvi. nos. 2–4; vol. xvii. nos. 1–3. fo. Amst. 1898–99
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BOSTON, U.S.A.—Massachusetts Institute of Technology. Technology Quarterly. la. 8o. Boston 1898
Annual Catalogue. 8o. Boston 1899
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Société d'Archéologie de Bruxelles.—Annuaire. pam. sm. 8o. Brussels 1898
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Feet of fines for Essex. 8o. Colch. 1899
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Scientific Proceedings. 8o. Dublin 1898
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MANCHESTER—Literary & Philosophical Society.—Memoirs & proceedings. 8o. Manch. 1899
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MONTREAL—Canadian Society Civil Engineers. Report of Annual Meeting. pam. 8o. Montreal 1899
Charter, By-laws, and List of Members. pam. 8o. Montreal 1899
Province of Quebec Association of Architects.—List of Members, 1893–99. fo. Montreal 1899
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NEW YORK—American Institute of Architects.—Constitution and By-laws. pam. 8o. Providence 1898
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Société Centrale des Architectes.—Annuaire. pam. 8o. Paris 1899
——— L'Architecture. fo. Paris 1898–99
PHILADELPHIA—Pennsylvania Academy Fine Arts. T-Square Club: Catalogue of Exhibition. 4o. Phil. 1899
ROME—Commissione Archeologica Comunale. Bullettino. la. 8o. Rome 1898

TRANSACTIONS, SOCIETIES, &c. (*continued*)—
SAINT PETERSBURG—Society of Architects—Zodchi. 4o. St. Petersburg 1898
SYDNEY, N.S.W.—Engineering Association of New South Wales. Minutes of Proceedings. Vol. x. 8o. Sydney 1898
VIENNA—Österreichischer Ingenieur- u. Architekten-Verein.—Zeitschrift. la. 4o. Vienna 1898–99
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WORCESTER (J. E.)—Dictionary of the English language. 4o. Philadelphia, 1897

TOTAL: Volumes (*exclusive of Periodicals and Parts of Works issued in a serial form now in progress*), 28.

### Parliamentary Papers.

LONDON BUILDING ACT 1894—Amendment. pam. 4o. Lond. 1898
SCIENCE & ART DEPT., S. KENSINGTON MUSEUMS—Second report from Select Committee (327). fo. Lond. 1898
Directory (to June 1898) (c. 8804). 8o. Lond. 1898
Calendar (c. 8937). 8o. Lond. 1899
FACTORY & WORKSHOP—Act 1878. 4o. Lond. 1895
Act 1891. 4o. Lond. [1891]
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